

Ultralight FLYING!

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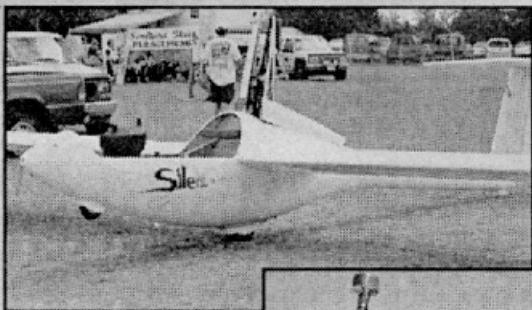
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Silent-in Motorglider



According to the factory, the Silent-in "is the first motorized sailplane in the world to have a glide ratio of 31-to-1." The 30-hp Zanzottera MZ 35i single-cylinder 2-stroke engine swings a single-blade counter-balanced prop (right), and electronically retracts into the fuselage for gliding.



Alispport Silent and Light Aviation is now offering the Silent-in ultralight motorglider. According to the factory, the Silent-in "is the first motorized sailplane in the world to have a glide ratio of 31 to 1."

The Silent-in is built entirely from composites, including carbon fiber for ease of construction and strength. The motorglider stalls at 33 mph; cruises at 72 mph; has a lift over drag ratio of 31-to-1 at 45 mph; and a minimum sink rate of 138 fpm at 37 mph.

Takeoff on grass using the 30-hp Zanzottera MZ 35i single-cylinder 2-stroke engine requires approximately 600 feet, with a climb rate of 490 fpm. The electric start engine uses a belt reduction drive, spinning a single-blade counter-balanced propeller. The engine electronically retracts back into the fuselage for gliding.

The Silent-in has a 39.37-foot wingspan, and is 21 feet long with a wing area of 110.9 square feet. Empty weight without fuel is 375 pounds, with a maximum takeoff weight of 639 pounds.

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